

**Project Name:** Warren Reservoir Catchment Survey  
**Project Code:** WRN **Site ID:** 051 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	I. Hollingsworth	<b>Locality:</b>	
<b>Date Desc.:</b>	28/11/90	<b>Elevation:</b>	436 metres
<b>Map Ref.:</b>	1:10000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6157440 AMG zone: 54	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	320575 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Auger boring, 3 m deep,Porous, Clay

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Pediment	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	260 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Hydrosol		<b>Principal Profile Form:</b>	Dy3.41
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Gleyed podzolic soil
Confidence level not specified			

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Sedge, 0.26-0.5m, Very sparse. \*Species includes - None recorded  
Mid Strata - Shrub, 1.01-3m, Isolated plants. \*Species includes - Xanthorrhoea species  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus obliqua

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.2 m	Dark grey (10YR4/1-Moist); Greyish brown (10YR5/2-Dry); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; Clear, Smooth change to -
A2	0.2 - 0.5 m	Light brownish grey (10YR6/2-Moist); White (10YR8/1-Dry); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose consistence; Clear, Smooth change to -
AB	0.5 - 0.6 m	Brown (10YR5/3-Moist); , 7.5YR46, 10-20% , 0-5mm, Faint; Loamy sand; Single grain grade of structure; Moist; Loose consistence; Clear, Smooth change to -
BA	0.6 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 5YR34, 10-20% , 5-15mm, Distinct; , 7.5YR58; Loamy sand; Single grain grade of structure; Wet; Loose consistence; Clear, Smooth change to -
Bt	0.8 - 1.5 m	Light grey (7.5YR7/0-Moist); , 7.5YR58, 10-20% , 5-15mm, Distinct; Sandy clay; Single grain grade of structure; Loose consistence; Clear, Smooth change to -

**Morphological Notes**

**Observation Notes**

**Site Notes**

**Laboratory Test Results:**

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g - m <sup>3</sup> /m <sup>3</sup>				mm/h	mm/h

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Laboratory Analyses Completed for this profile